

## ACTR-1, A NOVEL HUMAN ACYLTRANSFERASE AND USES THEREOF

Abstract of the Disclosure

The invention provides isolated nucleic acid molecules, designated ACTR-1  
5 nucleic acid molecules, which encode novel acyltransferase family members. The  
invention also provides antisense nucleic acid molecules, recombinant expression  
vectors containing ACTR-1 nucleic acid molecules, host cells into which the  
expression vectors have been introduced, and nonhuman transgenic animals in which  
an ACTR-1 gene has been introduced or disrupted. The invention still further  
10 provides isolated ACTR-1 proteins, fusion proteins, antigenic peptides and anti-  
ACTR-1 antibodies. Diagnostic methods utilizing compositions of the invention are  
also provided.